



Reverse Peptides.ST25
SEQUENCE LISTING

<110> VDDI Drug Development, Inc
<120> Peptides with Enhanced Stability to Protease Degradation
<130> V46275 1520.1
<140> 09/431546
<141> 1999-10-29
<160> 26
<170> PatentIn version 3.2
<210> 1
<211> 24
<212> PRT
<213> Artificial
<220>
<223> MYP30
<400> 1

Met Gly Ile Gly Lys Phe Leu Arg Glu Ala Gly Lys Phe Gly Lys Ala
1 5 10 15

Phe Val Gly Glu Ile Met Lys Pro
20

<210> 2
<211> 13
<212> PRT
<213> Artificial
<220>
<223> Indolicidin (amide)
<400> 2

Ile Leu Pro Trp Lys Trp Pro Trp Trp Pro Trp Arg Arg
1 5 10

<210> 3
<211> 13
<212> PRT
<213> Artificial
<220>
<223> CP-11
<400> 3

Ile Leu Lys Lys Trp Pro Trp Trp Pro Trp Arg Arg Lys
1 5 10

<210> 4
<211> 13

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<212> PRT
<213> Artificial

<220>
<223> Rev4 (amide)

<400> 4

Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
1 5 10

<210> 5
<211> 14
<212> PRT
<213> Artificial

<220>
<223> Ser-Rev4-OH

<400> 5

Ser Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
1 5 10

<210> 6
<211> 26
<212> PRT
<213> Artificial

<220>
<223> Rev4-C-fusion

<400> 6

Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile Gly Gly Gly
1 5 10 15

Tyr Asp Pro Ala Pro Pro Pro Pro Pro Pro
20 25

<210> 7
<211> 13
<212> PRT
<213> Artificial

<220>
<223> Indolicidin F (amide)

<400> 7

Ile Leu Pro Phe Lys Phe Pro Phe Phe Pro Phe Arg Arg
1 5 10

<210> 8
<211> 12
<212> PRT
<213> Artificial

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<220>

<223> Indolicidin F-P (amide)

<400> 8

Ile Leu Lys Gly Phe Pro Gly Phe Pro Arg Arg Lys
1 5 10

<210> 9

<211> 21

<212> PRT

<213> Artificial

<220>

<223> reverse PGLC

<400> 9

Leu Ala Lys Leu Ala Val Lys Ala Ile Lys Gly Ala Ile Ala Gly Ala
1 5 10 15

Lys Ser Ala Met Gly
20

<210> 10

<211> 31

<212> PRT

<213> Artificial

<220>

<223> reverse cecropin P1

<400> 10

Arg Pro Gly Gly Gln Ile Ala Ile Ala Ile Gly Glu Ser Ile Arg Lys
1 5 10 15

Lys Ala Ser Asn Glu Leu Lys Lys Ala Thr Lys Ser Leu Trp Ser
20 25 30

<210> 11

<211> 37

<212> PRT

<213> Artificial

<220>

<223> reverse cecropin A amide

<400> 11

Lys Ala Ile Gln Thr Ala Gln Gly Val Val Ala Val Ala Pro Gly Ala
1 5 10 15

Lys Ile Ile Gly Asp Arg Ile Asn Gln Gly Val Lys Glu Ile Lys Lys
20 25 30

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Phe Leu Lys Trp Lys
35

<210> 12
<211> 27
<212> PRT
<213> Artificial

<220>
<223> reverse bombinin-like peptide amide

<400> 12

Asn Ala Phe His Glu Ala Leu Gly Lys Ala Leu Gly Lys Leu Ala Ser
1 5 10 15

Lys Gly Ala Ser Leu Ile Ser Ala Gly Ile Gly
20 25

<210> 13
<211> 23
<212> PRT
<213> Artificial

<220>
<223> Magainin 2

<400> 13

Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala Phe
1 5 10 15

Val Gly Glu Ile Met Asn Ser
20

<210> 14
<211> 13
<212> PRT
<213> Artificial

<220>
<223> RIL

<400> 14

Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
1 5 10

<210> 15
<211> 39
<212> DNA
<213> Artificial

<220>
<223> RIL coding

<400> 15

Reverse Peptides.ST25

aggagatggc cttggtggcc ttggaaatgg cctcttatt 39

<210> 16
 <211> 33
 <212> DNA
 <213> Artificial

<220>
 <223> primer RIL 5' XbaI

<400> 16
 ccagtctcta gaaccatgag gagatggcct tgg 33

<210> 17
 <211> 53
 <212> DNA
 <213> Artificial

<220>
 <223> primer RIL 3' SacI

<400> 17
 gactggagct cttaaataag aggccatttc caaggccacc aaggccatct cct 53

<210> 18
 <211> 32
 <212> DNA
 <213> Artificial

<220>
 <223> primer RIL 5' EcoRI

<400> 18
 agctgggaat tctaggagat ggccttggtg gc 32

<210> 19
 <211> 54
 <212> DNA
 <213> Artificial

<220>
 <223> Primer RIL 3' XbaI

<400> 19
 atggactcta gattaaataa gaggccattt ccaaggccac caaggccatc tcct 54

<210> 20
 <211> 19
 <212> PRT
 <213> Artificial

<220>
 <223> Pro

<400> 20

Leu Pro Gln Pro Glu Ala Ser Ala Asp Glu Gly Val Asp Glu Arg Glu
 1 5 10 15

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Leu His Ser

<210> 21
<211> 88
<212> DNA
<213> Artificial

<220>
<223> Primer PRIL 5'

<400> 21
agcactgaat tctcttcac aaccagaggc ttctgctgat gaagggttg atgaaagaga 60
gctccattct aggagatggc ctggtgg 88

<210> 22
<211> 29
<212> DNA
<213> Artificial

<220>
<223> Primer cPR1b 3'PstI

<400> 22
gtcacctgca gccacgccta catctgcac 29

<210> 23
<211> 27
<212> DNA
<213> Artificial

<220>
<223> Primer PR-1b 5' HindIII/NcoI

<400> 23
acgaagctta ccatgggatt ttttctc 27

<210> 24
<211> 36
<212> DNA
<213> Artificial

<220>
<223> Primer RIL5' PstI

<400> 24
agtcaactgca gctaagatta ggagatggcc ttggtg 36

<210> 25
<211> 207
<212> DNA
<213> Artificial

<220>
<223> PCRIL DNA coding sequence

Reverse Peptides.ST25

<400> 25
atgggatttt ttctcttttc acaaatgccc tcattttttc ttgtctctac acttctctta 60
ttcctaataa tatctcactc ttctcatgcc caaaactctc aacaagacta tttggatgcc 120
cataacacag ctcgtgcaga tgtaggcgtg gctgcagcta agattaggag atggccttgg 180
tggccttgga aatggcctct tatttaa 207

<210> 26
<211> 68
<212> PRT
<213> Artificial

<220>
<223> full sequence PCRIL

<400> 26

Met Gly Phe Phe Leu Phe Ser Gln Met Pro Ser Phe Phe Leu Val Ser
1 5 10 15

Thr Leu Leu Leu Phe Leu Ile Ile Ser His Ser Ser His Ala Gln Asn
20 25 30

Ser Gln Gln Asp Tyr Leu Asp Ala His Asn Thr Ala Arg Ala Asp Val
35 40 45

Gly Val Ala Ala Ala Lys Ile Arg Arg Trp Pro Trp Trp Pro Trp Lys
50 55 60

Trp Pro Leu Ile
65